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L1 1 XYLOGLUCANASE/CN

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2003 ACS

RN 76901-10-5 REGISTRY

CN **Xyloglucanase (9CI)** (CA INDEX NAME)

OTHER NAMES:

CN Endoxyloglucanase

CN Oligoxyloglucan hydrolase

CN Xyloglucan hydrolase

CN Xyloglucan-specific endo-1,4-.beta.-glucanase

DR 97162-80-6

MF Unspecified

CI MAN

LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CAPLUS, TOXCENTER, USPAT2,  
USPATFULL

L6 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2003 ACS

AN 1999:48789 CAPLUS

DN 130:106938

TI Cloning and characterization of endo-.beta.-1,4-glucanase from  
Saccharothrix australiensis and its use in cleaning compositions  
IN Bjornvad, Mads Eskelund; Hatakeyama, Mariko; Schulein, Martin; Nielsen,  
Jack Bech

PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 82 pp.  
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9901543	A1	19990114	WO 1998-DK286	19980630
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9879082	A1	19990125	AU 1998-79082	19980630
	EP 1002059	A1	20000524	EP 1998-929243	19980630
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI			
	US 6207436	B1	20010327	US 1998-109841	19980702
PRAI	DK 1997-812	A	19970704		
	DK 1997-846	A	19970711		
	US 1997-53506P	P	19970723		
	WO 1998-DK286	W	19980630		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 66 OF 71 USPATFULL

ACCESSION NUMBER: 1999:69832 USPATFULL

TITLE: Enzymatic stone-wash of denim using xyloglucan/  
**xyloglucanase**

INVENTOR(S): Kalum, Lisbeth, V.ae butted.rl.o slashed.se, Denmark

PATENT ASSIGNEE(S): Novo Nordisk A/S, Bagsv.ae butted.rd, Denmark (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5914443		19990622
APPLICATION INFO.:	US 1998-66117		19980423 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DK 1997-468	19970428
	US 1997-45388P	19970520 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Diamond, Alan	
LEGAL REPRESENTATIVE:	Zelson, Esq., Steve T., Green, Esq., Reza	
NUMBER OF CLAIMS:	31	
EXEMPLARY CLAIM:	1	
LINE COUNT:	631	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A new method of manufacturing a fabric or a garment with a stone-washed or worn look, the method comprising coating the yarn or fabric or garment with a polymer, e.g. a xyloglucan, prior to dyeing and afterwards creating the abraded or worn look by enzymatic degradation of said polymer, e.g. by using a **xyloglucanase**.

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ACCESSION NUMBER: 1999:64911 CAPLUS  
 DOCUMENT NUMBER: 130:121426  
 TITLE: Alkaline **xyloglucanases** from  
**Bacillus** suitable for fabric detergents  
 INVENTOR(S): Schulein, Martin; Outtrup, Helle; Jorgensen, Per Lina;  
 Bjornvad, Mads Eskelund  
 PATENT ASSIGNEE(S): Novo Nordisk A/S, Den.  
 SOURCE: PCT Int. Appl., 87 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9902663	A1	19990121	WO 1998-DK290	19980701
W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
AU 9879085	A1	19990208	AU 1998-79085	19980701
EP 1002060	A1	20000524	EP 1998-929246	19980701
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, NL, SE, PT, IE, FI			
BR 9810548	A	20000815	BR 1998-10548	19980701
JP 2001509377	T2	20010724	JP 2000-502161	19980701
US 6268197	B1	20010731	US 1998-110959	19980707
MX 9911756	A	20000630	MX 1999-11756	19991215
PRIORITY APPLN. INFO.:			DK 1997-822	A 19970707
			DK 1997-1213	A 19971024
			US 1997-54039P	P 19970728
			US 1997-63694P	P 19971028
			WO 1998-DK290	W 19980701

AB A **xyloglucanase** having a relative **xyloglucanase** activity of .gtoreq.50% at pH 7 and either no or an insignificant cellulolytic activity is obtainable e.g. from a strain of **Bacillus**. The **xyloglucanase** may comprise an amino acid sequence of the mature enzymes **isolated** from *B. licheniformis* ATCC 14580 or *B. agaradhaerens* NCIMB 40482. Genes encoding the **xyloglucanases** were **isolated** and sequenced from the 2 **Bacillus**